UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO.   : 7,897,597 B2
APPLICATION NO.   : 10/595103
DATED   : March 1, 2011
INVENTOR(S)   : Kyle J Lindstrom

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

List of References

- **Title Page 5, Col. 2 (Other Publications), Line 2** - Delete "Ammonial/Potassium" and insert -- Ammonia/Potassium --, therefor.

- **Title Page 6, Col. 1 (Other Publications), Line 21** - Delete "a ," and insert -- al., --, therefor.

- **Title Page 6, Col. 1 (Other Publications), Line 62** - Delete "at," and insert -- al., --, therefor.

- **Title Page 6, Col. 2 (Other Publications), Line 43** - Delete "of" and insert -- et --, therefor.

- **Title Page 6, Col. 2 (Other Publications), Line 53** - Delete "al," and insert -- al., --, therefor.

- **Title Page 6, Col. 2 (Other Publications), Line 55** - Delete "Chmica" and insert -- Chimica --, therefor.

- **Title Page 7, Col. 1 (Other Publications), Line 12** - Delete "a," and insert -- al., --, therefor.

- **Title Page 7, Col. 2 (Other Publications), Line 28** - Delete "Hydocarbons" and insert -- Hydrocarbons --, therefor.

- **Title Page 7, Col. 2 (Other Publications), Line 62** - Delete "Napthyridines Hydroxynaphthyridies," and insert -- Naphthyridines Hydroxynaphthyridines, --, therefor.

- **Title Page 8, Col. 1 (Other Publications), Line 6** - Delete "Gessellschaft" and insert -- Gesellschaft --, therefor.

- **Title Page 8, Col. 1 (Other Publications), Line 40** - Delete "al," and insert -- al., --, therefor.

Signed and Sealed this
Twenty-first Day of June, 2011

David J. Kappos
Director of the United States Patent and Trademark Office

- **Title Page 8, Col. 1 (Other Publications), Line 68** - Delete "Stablized" and insert -- Stabilized --, therefor.

- **Title Page 8, Col. 2 (Other Publications), Line 7** - Delete "nti-inflammatory" and insert -- anti-inflammatory --, therefor.

- **Title Page 9, Col. 1 (Other Publications), Line 47** - Delete "Dermatologi;" and insert -- Dermatology; --, therefor.

- **Title Page 9, Col. 2 (Other Publications), Line 1** - Delete "Structure-Activtiy" and insert -- Structure-Activity --, therefor.

- **Title Page 9, Col. 2 (Other Publications), Line 37** - Delete "Imnnunol." and insert -- Immunol. --, therefor.

- **Title Page 9, Col. 2 (Other Publications), Line 56** - Delete "Hely" and insert -- Helv --, therefor.

- **Title Page 10, Col. 1 (Other Publications), Line 17** - Delete "2-arlypyrazolo" and insert -- 2-arylpyrazolo --, therefor.

- **Title Page 10, Col. 1 (Other Publications), Line 24** - Delete "imizazo" and insert -- imidazo --, therefor.

- **Title Page 10, Col. 1 (Other Publications), Line 25** - Delete "nucleosides:fficient" and insert -- nucleosides: efficient --, therefor.

- **Title Page 10, Col. 1 (Other Publications), Lines 53-54** - Delete "Assymmetry." and insert -- Asymmetry. --, therefor.

- **Title Page 10, Col. 1 (Other Publications), Line 60** - Delete "Bacteroids" and insert -- Bacteroides --, therefor.

- **Title Page 10, Col. 2 (Other Publications), Line 35** - Delete "lipoiygenase" and insert -- lipoxygenase --, therefor.

- **Title Page 11, Col. 2 (Other Publications), Line 1** - Delete "IsosteriC" and insert -- Isosteric --, therefor.

- **Title Page 11, Col. 2 (Other Publications), Line 5** - Delete "at.," and insert -- al., --, therefor.

- **Title Page 11, Col. 2 (Other Publications), Line 6** - Delete "Tray" and insert -- Trav --, therefor.

- **Title Page 11, Col. 2 (Other Publications), Line 58** - Delete "ofHeterocylic" and insert -- of Heterocyclic --, therefor.

Specification

- **Column 4, Line 24, -** Delete "-N(R$_8$)C(R$_6$)-" and insert -- -N(R$_8$)-C(R$_6$)- --, therefor.

- **Column 4, Line 32, -** Delete "substitutents;" and insert -- substituents; --, therefor.

- **Column 6, Line 5, -** After "of" insert -- : --.

- **Column 11, Line 41, -** Below "- X'-R$_{4-1}$," insert -- -X'-Y'-R$_4$, --.

- **Column 15, Line 33, -** Delete "C-," and insert -- O-, --, therefor.

- **Column 17, Line 46, -** Delete "substitutent." and insert -- substituent. --, therefor.

- **Column 19, Line 1, -** Delete "-2#-" and insert -- -2H- --, therefor.

- **Column 19, Line 11, -** Delete "-C(R$_{61}$)-," and insert -- -C(R$_6$)-, --, therefor.

- **Column 19, Lines 34-35, -** Delete "4-(1,1-dioxidoisothiazohdin-2-yl)butyl," and insert -- 4-(1,1-dioxidoisothiazolidin-2-yl)butyl, --, therefor.

- **Column 19, Line 45, -** Delete "Cl$_{1-2}$" and insert -- C$_{1-2}$ --, therefor.

- **Column 19, Lines 49-50, -** Delete "methylammocarbonylaminomethyl." and insert -- methylaminocarbonylaminomethyl. --, therefor.

- **Column 20, Line 62, -** Before "some" insert -- In --.

- **Column 24, Line 43, -** Delete "-3-nitroquinolin" and insert -- -3-nitroquinoline --, therefor.

- **Column 25, Line 67, -** Delete "3-amino" and insert -- 3-amido --, therefor.

- **Column 26, Line 17, -** Delete "L" and insert -- I, --, therefor

- **Column 26, Line 19, -** Delete "-5H-" and insert -- -5N- --, therefor

- **Column 26, Line 30, -** Delete "animated" and insert -- aminated --, therefor.

- **Column 29, Line 18, -** Delete "n," and insert -- II, --, therefor.

- **Column 29, Line 42, -** Delete "animated" and insert -- aminated --, therefor.

- **Column 29, Line 49, -** Delete "TV-oxide" and insert -- N-oxide --, therefor.

- **Column 29, Line 54, -** Delete "men" and insert -- then --, therefor.

- **Column 30, Line 28, -** Delete "XXXI" and insert -- XXXI, --, therefor.

- **Column 30, Line 46, -** Delete "N═O" and insert -- N=C=O --, therefor.

- **Column 30, Line 64, -** Delete "R_9," and insert -- R_8, --, therefor.

- **Column 33, Line 50, -** Delete "animated" and insert -- aminated --, therefor.

- **Column 34, Line 60, -** Delete "Ar," and insert -- Ar' --, therefor.

- **Column 36, Line 41, -** Delete "animated" and insert -- aminated --, therefor.

- **Column 37, Line 2, -** Delete "inline" and insert -- imine --, therefor.

- **Column 38, Line 64, -** Delete "animated" and insert -- aminated --, therefor.

- **Column 39, Line 62, -** Delete "Methylamine" and insert -- triethylamine --, therefor.

- **Column 41, Line 41, -** Delete "(TL)." and insert -- (IL). --, therefor.

- **Column 41, Line 43, -** Delete "DL-1," and insert -- IL-1, --, therefor.

- **Column 42, Line 39, -** Delete "HSV-H," and insert -- HSV-II, --, therefor.

- **Column 42, Line 47, -** Delete "flavdvirus" and insert -- flavivirus --, therefor.

- **Column 42, Lines 60-61, -** Delete "histoplasmonsis," and insert -- histoplasmosis, --, therefor.

- **Column 42, Lines 62-63, -** Delete "carnii pneomonia," and insert -- carinii pneumonia, --, therefor.

- **Column 42, Line 67, -** Delete "Karposi's" and insert -- Kaposi's --, therefor.

- **Column 43, Line 9, -** Delete "Ommen's syndrome," and insert -- Omenn's syndrome, --, therefor.

- **Column 43, Line 25, -** Delete "hemophilus" and insert -- haemophilus --, therefor.

- **Column 44, Line 52, -** Delete "phenylamino" and insert -- phenylimino --, therefor.

- **Column 44, Line 60, -** Delete "phenylamino" and insert -- phenylimino --, therefor.

- **Column 46, Line 40, -** Delete "1.5" and insert -- 7.5 --, therefor.

- **Column 47, Line 59, -** Delete "an" and insert -- as an --, therefor.

- **Column 48, Line 44, -** Delete "quinolin" and insert -- quinoline --, therefor.

- **Column 49, Line 63, -** Delete "(d" and insert -- (d, J= --, therefor.

- **Column 53, Line 16, -** Delete "w/z" and insert -- m/z --, therefor.

- **Column 53, Line 57, -** Delete "-1/Z-" and insert -- -1H- --, therefor.

- **Column 55, Line 45, -** Delete "-2-pro" and insert --2-propyl-1H-imidazo[4,5-c]quinolin-4-amine --, therefor.

- **Column 55, Line 58, -** Delete "(trifluromethyl)" and insert -- (trifluoromethyl) --, therefor.

- **Column 55, Lines 62-63, -** Delete "(trifluromethyl)" and insert -- (trifluoromethyl) --, therefor.

- **Column 56, Line 21, -** Delete "(t, 7=" and insert -- (t, J= --, therefor.

- **Column 62, Line 49, -** Delete "(septet 7=" and insert -- (septet J= --, therefor.

- **Column 62, Line 49, -** Delete "(t, 7=" and insert -- (t, J= --, therefor.

- **Column 64, Line 17, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- **Column 64, Line 20, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- **Column 64, Line 21, -** Delete "(q, 7=" and insert -- (q, J= --, therefor.

- **Column 64, Line 21, -** Delete "(septet, 7=" and insert -- (septet, J= --, therefor.

- **Column 64, Line 22, -** Delete "(t, 7=" and insert -- (t, J= --, therefor.

- **Column 64, Line 22, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- **Column 65, Line 11, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- **Column 65, Line 12, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- **Column 65, Line 13, -** Delete "(d, 7=" and insert -- (d, J= --, therefor.

- <u>**Column 65, Line 14, -**</u> Delete "(q, 7=" and insert -- (q, J= --, therefor.

- <u>**Column 65, Line 14, -**</u> Delete "(septet, 7=" and insert -- (septet, J= --, therefor.

- <u>**Column 65, Line 15, -**</u> Delete "(t, 7=" and insert -- (t, J= --, therefor.

- <u>**Column 66, Line 27, -**</u> Delete "(d, 0.7=" and insert -- (d, J= --, therefor.

- <u>**Column 68, Line 2, -**</u> Delete "by/7-" and insert -- by p- --, therefor.

- <u>**Column 70, Line 45, -**</u> Delete "g" and insert -- g, --, therefor.

- <u>**Column 70, Line 47, -**</u> Delete "dichloromethane methanol" and insert -- dichloromethane:methanol --, therefor.

- <u>**Column 72, Line 19, -**</u> Delete "(3-nitrophenoxy-2-" and insert -- (3-nitrophenoxy)-2- --, therefor.

- <u>**Column 76, Line 8, -**</u> Delete "-imidazo" and insert -- imidazo[4,5-c]quinoline --, therefor.

- <u>**Column 78, Line 63, -**</u> Delete "TV-" and insert -- N- --, therefor.

- <u>**Column 79, Line 33, -**</u> Delete "7V" and insert -- N- --, therefor.

- <u>**Column 81, Line 59, -**</u> Delete "(pentet," and insert -- (pentet, J= --, therefor.

- <u>**Column 81, Line 62, -**</u> Delete "8159.0," and insert -- δ159.0, --, therefor.

- <u>**Column 84, Line 30, -**</u> After "(2-methoxyethyl)" delete "-1H".

- <u>**Column 86, Line 48, -**</u> Delete "added," and insert -- added --, therefor.

- <u>**Column 89, Line 17, -**</u> Delete "7V'-" and insert -- N- --, therefor.

- <u>**Column 89, Line 18, -**</u> Delete "-N^4-" and insert -- -N- --, therefor.

- <u>**Column 89, Line 21, -**</u> Delete "-5-" and insert -- -3- --, therefor.

- <u>**Column 89, Line 59, -**</u> Delete "H" and insert -- I --, therefor.

- <u>**Column 90, Line 44, -**</u> Delete "0° C.;" and insert-- ~0° C.; --, therefor.

- <u>**Column 90, Line 64, -**</u> Delete "quinolin" and insert -- quinoline --, therefor.

- <u>**Column 91, Line 23, -**</u> Delete "362.1134" and insert -- 362.1734 --, therefor.

- **Column 92, Line 2, -** Delete "animate" and insert -- aminate --, therefor.

- **Column 92, Line 8, -** Delete "(d,7=" and insert -- (d,J= --, therefor.

- **Column 92, Line 13, -** Delete "5153.6," and insert -- δ153.6, --, therefor.

- **Column 92, Line 43, -** Delete "-methylquinoline-" and insert -- -methylquinoline-3,4- --, therefor.

- **Column 92, Line 49, -** Delete "0° C.," and insert -- ~0° C., --, therefor.

- **Column 93, Line 14, -** Delete "quinolin" and insert -- quinoline --, therefor.

- **Column 94, Lines 42-43, -** Delete "dichloromemane:methanol)." and insert -- dichloromethane:methanol). --, therefor.

- **Column 97, Line 41, -** Delete "quinolin e" and insert -- quinoline --, therefor.

- **Column 97, Line 53, -** Delete "(pentet," and insert -- (pentet, J= --, therefor.

- **Column 98, Line 30, -** Delete "quinolin" and insert -- quinoline --, therefor.

- **Column 101, Line 7, -** Delete "-1/J-" and insert -- -1H- --, therefor.

- **Column 101, Line 10, -** Delete "horn;" and insert -- hour --, therefor.

- **Column 102, Line 42, -** Delete "nitroquinoline" and insert -- Nitroquinoline-4-amine --, therefor.

- **Column 103, Line 4, -** After "but the" delete " 1".

- **Column 106, Line 15, -** Delete "(APCI)/w/z" and insert -- "(APCI) m/z --, therefor.

- **Column 108, Line 50, -** Delete ".0.20H$_2$O:" and insert -- .0.20 H$_2$O: --, therefor.

- **Column 111, Line 52, -** Delete "N{4" and insert -- N-{4 --, therefor.

- **Column 113, Line 35, -** Delete "butyl}-" and insert -- butyl} --, therefor.

- **Column 114, Line 43, -** Delete ".0.15H$_2$O:" and insert -- .0.15 H$_2$O: --, therefor.

- **Column 115, Line 46, -** Delete "^{13}H" and insert -- ^{1}H --, therefor.

- **Column 116, Line 67, -** Delete "(t,7=" and insert -- (t,J= --, therefor.

- **Column 120, Line 52, -** Delete ".0.25H$_2$O:" and insert -- .0.25 H$_2$O: --, therefor.

- **Column 122, Line 40, -** Delete ".0.50H$_2$O:" and insert -- .0.50 H$_2$O: --, therefor.

- **Column 122, Line 66, -** Delete ".0.25H$_2$O:" and insert -- .0.25 H$_2$O: --, therefor.

- **Column 123, Line 24, -** Delete ".0.77H$_2$O:" and insert -- .0.77 H$_2$O: --, therefor.

- **Column 123, Line 46, -** Delete ".0.50H$_2$O:" and insert -- .0.50 H$_2$O: --, therefor.

- **Column 124, Line 2, -** Delete ".0.75H$_2$O:" and insert -- .0.75 H$_2$O: --, therefor.

- **Column 125, Line 3, -** Delete "Anal," and insert -- Anal. --, therefor.

- **Column 126, Line 8, -** Delete "animate" and insert -- aminate --, therefor.

- **Column 128, Line 44, -** Delete "H-" and insert -- N- --, therefor.

- **Column 130, Line 39, -** Delete "5-c]" and insert -- 5-α] --, therefor.

- **Column 131, Line 37, -** Delete "8-(Benzoyloxy)" and insert -- 8-(Benzyloxy) --, therefor.

- **Column 138, After Line 67, -** Insert
  -- from acetonitrile to give 102 mg of 7-(furan-3-ylmethoxy)-2-methyl-1-(2-methylpropyl)-1H-imidazo[4,5-c]quinolin-4-amine as a white powder, mp 181.0-183.0.
  MS (APCI) m/z 351 (M+H)$^+$;
  Anal. Calcd. for C$_{20}$H$_{22}$N$_4$O$_2$.0.6 CH$_3$CN: % C, 67.89; % H, 6.40; % N, 17.18.
  Found: % C, 67.72; % H, 6.67; %N, 16.95. --.

- **Column 140, Line 20, -** Delete ".0.55H$_2$O:" and insert -- .0.55 H$_2$O: --, therefor.

- **Column 142, Line 17, -** Delete ".0.33H$_2$O:" and insert -- .0.33 H$_2$O: --, therefor.

- **Column 142, Line 57, -** Delete "trietylamine," and insert -- triethylamine, --, therefor.

- **Column 148, Line 66, -** Delete "amine," and insert -- amine. --, therefor.

- **Column 153, Line 44, -** Delete ".0.5H$_2$O:" and insert -- .0.5 H$_2$O: --, therefor.

- **Column 154, Lines 3-4, -** Delete "thiazoleHCl" and insert -- thiazole.HCl --, therefor.

- **Column 157, Line 41, -** Delete "-benzoyloxy-" and insert -- -benzyloxy- --, therefor.

- **Column 157, Line 61, -** Delete "trietylamine." and insert -- triethylamine. --, therefor.

- **Column 158, Line 59, -** Delete "-1,1-" and insert -- -1-yl)-1,1- --, therefor.

- **Column 160, Line 52, -** Delete "-methylethyl]-" and insert-- -dimethylethyl]- --, therefor.

- **Column 165, Line 6, -** Delete "(q, 7=" and insert -- (q, J= --, therefor.

- **Column 165, Line 12, -** Delete ".0.12H$_2$O:" and insert -- .0.12 H$_2$O: --, therefor.

- **Column 167, Line 53, -** Delete "phenylamino]" and insert -- phenylimino] --, therefor.

- **Column 169, Line 35, -** Delete "7=" and insert -- J= --, therefor.

- **Column 172, Line 47, -** Delete "Anal," and insert -- Anal. --, therefor.

- **Column 172, Line 55, -** Delete "mmol." and insert -- mmol, --, therefor.

- **Column 174, Line 4, -** Delete "Anal," and insert -- Anal. --, therefor.

- **Column 178, Line 14, -** Delete "acid/acetonitrile:" and insert -- acid/acetonitrile; --, therefor.

- **Column 188, Line 61, -** Delete "phenylthiocarbamoyl" and insert -- phenylthiocarbamyl --, therefor.

- **Column 191, Line 18, -** Delete "-2#-" and insert -- -2H- --, therefor.

- **Column 192, Line 6, -** Delete "animate" and insert -- aminate --, therefor.

- **Column 203, Line 11, -** Delete "microliter" and insert -- microtiter --, therefor.

Claims

- **Column 205, Line 62, -** In Claim 1, delete "independently-selected" and insert -- independently selected --, therefor.

- **Column 208, Line 20, -** In Claim 13, after "alkenyl" insert -- , --.

- **Column 208, Line 36, -** In Claim 13, delete "front" insert -- from --, therefor.

- **Column 208, Line 51, -** In Claim 13, delete "independently-selected" and insert -- independently selected --, therefor.

- **Column 209, Line 55, -** In Claim 21, delete "2-hydroxyl" and insert -- 2-hydroxy --, therefor.

- **Column 210, Line 27, -** In Claim 25, delete "-X-" and insert -- -X'- --, therefor.

- **Column 212, Line 15, -** In Claim 25, delete "front" insert -- from --, therefor.

- **Column 212, Line 40, -** In Claim 25, delete "that," and insert -- that --, therefor.

- **Column 212, Line 67, -** In Claim 27, delete "4-[(methasulfonyl)ammo]butyl," and insert -- 4-[(methylsulfonyl) amino]butyl, --, therefor.

- **Column 213, Line 20, -** In Claim 33, after "biosynthesis" delete "in an animal".

- **Column 213, Line 38, -** In Claim 34, delete "-R_{4-1};" and insert -- -R_{4-1}, --, therefor.

- **Column 213, Line 39, -** In Claim 34, delete "-R_{4-1};" and insert -- -X'-R_{4-1}, --, therefor.

- **Column 213, Line 47, -** In Claim 34, delete "group," and insert -- group --, therefor.

- **Column 214, Line 45, -** In Claim 34, delete "alkylheteroarylenyl" and insert -- alkylheteroarylenyl, --, therefor.

- **Column 214, Line 46, -** In Claim 34, delete "can the" and insert -- can be --, therefor.

- **Column 214, Line 57, -** In Claim 34, after "alkynyl" insert -- , --.

- **Column 215, Line 20, -** In Claim 34, delete "-O and -S;" and insert -- =O and =S; --, therefor.

- **Column 215, Line 55, -** In Claim 35, delete "R_4" and insert -- R_4 is --, therefor.

- **Column 216, Line 43, -** In Claim 36, delete "alkylamino,and" and insert -- alkylamino, and --, therefor.

- **Column 216, Line 48, -** In Claim 36, delete "of;" and insert -- of: --, therefor.

- **Column 218, Line 54, -** In Claim 38, delete "R5" and insert -- R_5 --, therefor.

- **Column 220, Line 1, -** In Claim 43, delete "salf" and insert -- salt --, therefor.